Appl. No. 09/944,896 Amdmt. dated June 24, 2003 Reply to Office Action of March 24, 2003

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

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## Claims 1-21 (canceled)

Claim 22 (currently amended): An isolated nucleic acid <u>encoding a polypeptide having</u> at least 80% sequence identity to:

- (a) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (b) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking its associated signal peptide;
- (c) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (d) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking it associated signal peptide; or
- (e) <u>an amino acid sequence of the polypeptide encoded by</u> the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49);
- (f) <u>an amino acid sequence of the polypeptide encoded by the full-length</u> coding sequence of the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49); or
- (g) an amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209532; wherein said polypeptide is overexpressed in lung and colon tumors.

Claim 23 (currently amended): The isolated nucleic acid of claim 22 encoding a polypeptide having at least 85% amino acid sequence identity to:

- (a) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (b) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking its associated signal peptide;



- (c) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (d) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking it associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49);
- (f) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49); or
- (g) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209532; wherein said polypeptide is overexpressed in lung and colon tumors.

Claim 24 (currently amended): The isolated nucleic acid of claim 22 encoding a polypeptide having at least 90% sequence identity to:

- (a) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (b) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking its associated signal peptide;
- (c) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (d) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking it associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49);
- (f) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49); or
- (g) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209532; wherein said polypeptide is overexpressed in lung and colon tumors.

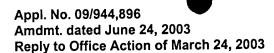


Claim 25 (currently amended): The isolated nucleic acid of claim 22 encoding a polypeptide having at least 95% sequence identity to:

- (a) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (b) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking its associated signal peptide;
- (c) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (d) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking it associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49);
- (f) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49); or
- (g) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209532; wherein said polypeptide is overexpressed in lung and colon tumors.

Claim 26 (currently amended): The isolated nucleic acid encoding a polypeptide of claim 22 having at least 99% sequence identity to:

- (a) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (b) an nucleic amino acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking its associated signal peptide;
- (c) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (d) an nucleic amino acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking it associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49);





(f) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49); or

(g) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209532; wherein said polypeptide is overexpressed in lung and colon tumors.

Claim 27 (previously added): An isolated nucleic acid comprising:

- (a) a nucleic acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (b) a nucleic acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking its associated signal peptide;
- (c) a nucleic acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (d) a nucleic acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking it associated signal peptide; or
  - (e) the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209532.

Claim 28 (previously added): The isolated nucleic acid of Claim 27 comprising the nucleic acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50).

Claim 29 (previously added): The isolated nucleic acid of Claim 27 comprising the nucleic acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking its associated signal peptide.

Claim 30 (previously added): The isolated nucleic acid of Claim 27 comprising the nucleic acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50).



Claim 31 (previously added): The isolated nucleic acid of Claim 27 comprising the nucleic acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking its associated signal peptide.

Claim 32 (previously added): The isolated nucleic acid of Claim 27 comprising the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49).

Claim 33 (previously added): The isolated nucleic acid of Claim 27 comprising the full-length coding sequence of the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49).

Claim 34 (previously added): The isolated nucleic acid of Claim 27 comprising the full-length coding sequence of the cDNA deposited under ATCC accession number 209532.

Claim 35 (currently amended): An isolated nucleic acid that hybridizes <u>under high</u> stringency conditions to:

- (a) a nucleic acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (b) a nucleic acid sequence of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking its associated signal peptide;
- (c) a nucleic acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50);
- (d) a nucleic acid sequence of the extracellular domain of the polypeptide shown in Figure 20 (SEQ ID NO:50), lacking it associated signal peptide; or
  - (e) the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 19 (SEQ ID NO:49); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209532.



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Claim 36 (canceled)

Claim 37 (canceled)

Claim 38 (previously added): A vector comprising the nucleic acid of Claim 22.

Claim 39 (previously added): The vector of Claim 38, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.

Claim 40 (previously added): A host cell comprising the vector of Claim 38.

Claim 41 (previously added): The host cell of Claim 40, wherein said cell is a CHO cell, an *E.coli* or a yeast cell.